

M 5.7, 142 km SW of Empaque Tarriba, Mexico

Origin Time: 2021-09-23 16:47:48 UTC (Thu 09:47:48 local)

Location: 23.0032° N 107.9359° W Depth: 10.0 km

Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

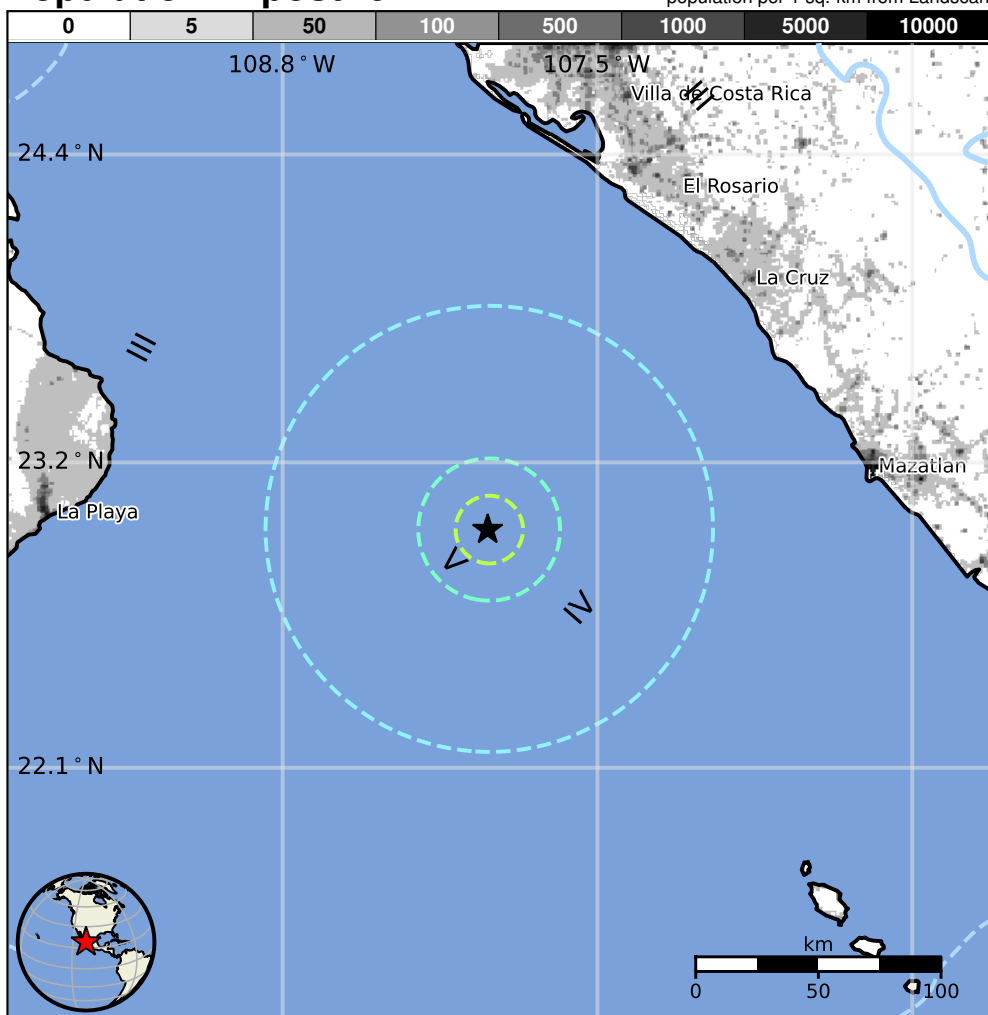


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,370k*	40k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2007-09-01	281	6.1	V(17k)	—
1990-03-16	232	6.1	V(534k)	—
1995-06-30	287	5.7	VI(170k)	—

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Empaque Tarriba	1k
IV	La Constanica	6k
III	El Higueral	2k
III	Eldorado	13k
III	El Dorado	14k
III	Pueblo Nuevo	2k
III	Mazatlan	355k
III	Licenciado Benito Juarez (Campo Gobierno)	24k
III	Villa de Costa Rica	22k
III	Navolato	28k
III	San Jose del Cabo	49k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000fdty#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000fdty